

MAINTAINING AN OPEN PASSAGEWAY THROUGH A BODY LUMEN

Abstract of the Disclosure

A stent for maintaining an open passageway through a body lumen, such as the prostatic urethra of a male patient, includes a coil segment and a flexible polymer material encapsulating the coil segment. The coil segment defines a lumen extending therethrough and includes a distal portion, a middle portion, and a proximal portion. Both the distal and proximal portions of the coil segment have a greater outer diameter in comparison to the middle portion, so as to enhance retention of the stent after placement within the patient's body. The coil segment is made from a wound element that includes one or more spaced windings. The flexible polymer material is disposed between adjacent spaced windings to form an imperforate flexible webbing that encapsulates the coil segment and prevents the growth of tissue between the windings and into the coil segment's lumen when the stent is placed within the patient.